

ATTACHMENT A

Re: Request for Special Temporary Authority
National Association of Broadcasters
1771 N Street, NW
Washington, DC 20036

Best Contact

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Explanation, please explain why an STA is necessary: (question 4)

To authorize the operation of a prototype low power ATSC DTV multichannel repeater/booster in order to evaluate its impact on reception in various environments.

Purpose of Operation, please explain the purpose of the operation: (question 5)

The purpose of the operation is to conduct a field testing program to quantify reception improvements as a result of adding a non-synchronized on-channel booster for ATSC DTV/Mobile DTV signals in a number of difficult reception scenarios. The program will evaluate the performance improvements using a single, multi-channel, on-channel booster operating at selected locations – such as shopping malls, office buildings, arenas, etc. – in and around the DC metropolitan area. The project will quantify reception improvements, catalog any adverse reception impacts and capture and store RF signals at these locations for additional analysis.